Release notes for ENDF/B Development n-048_Cd_113 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section $MAT=4846,\ MF=1,\ MT=451\ (1)$: Parsing stopped

ERROR(S) FOUND IN MAT=4846, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 195 TO 264

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=4846, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=4846, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 195

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=4846,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 266

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 684

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 719

5. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=4846,\ MF=3,\ MT=3\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 3
SECTION 3/ 3 NOT IN DIRECTORY RECORD NUMBER 754

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 789

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 16 SECTION 3/ 16 NOT IN DIRECTORY

RECORD NUMBER 823

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 843

9. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

850

RECORD NUMBER

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 857

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 51 SECTION 3/51 NOT IN DIRECTORY

RECORD NUMBER

12. Missing a section in directory so your directory is messed up. This error will break ev-

erything else MAT = 4846, MF = 3, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 899

13. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 53 SECTION 3/53 NOT IN DIRECTORY

RECORD NUMBER 933

14. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 54 SECTION 3/54 NOT IN DIRECTORY

RECORD NUMBER 966

15. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 55 SECTION 3/55 NOT IN DIRECTORY

RECORD NUMBER

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 56 SECTION 3/56 NOT IN DIRECTORY

RECORD NUMBER 1032

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 57 SECTION 3/57 NOT IN DIRECTORY

RECORD NUMBER 1064

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 1096

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 59 SECTION 3/59 NOT IN DIRECTORY

RECORD NUMBER 1128

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 4846, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 1159

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 61 SECTION 3/61 NOT IN DIRECTORY

RECORD NUMBER 1190

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 4846, MF = 3, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 62

SECTION 3/62 NOT IN DIRECTORY

RECORD NUMBER 1220

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 63 SECTION 3/ 63 NOT IN DIRECTORY

RECORD NUMBER 1250

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 64 SECTION 3/ 64 NOT IN DIRECTORY

RECORD NUMBER 1280

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 65 SECTION 3/ 65 NOT IN DIRECTORY

RECORD NUMBER 1309

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 66 SECTION 3/ 66 NOT IN DIRECTORY

RECORD NUMBER 1338

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 67 SECTION 3/ 67 NOT IN DIRECTORY

RECORD NUMBER 1367

28. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 68 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 68 SECTION 3/ 68 NOT IN DIRECTORY

RECORD NUMBER 1395

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 69 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 69 SECTION 3/ 69 NOT IN DIRECTORY

RECORD NUMBER 1423

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=3, MT=70 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 70

SECTION 3/ 70 NOT IN DIRECTORY

RECORD NUMBER 1451

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 71 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 71 SECTION 3/ 71 NOT IN DIRECTORY

RECORD NUMBER

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 1505

33. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 1530

34. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 1565

35. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 104 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 1588

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 4846, MF = 3, MT = 105 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT=105 SECTION 3/105 NOT IN DIRECTORY

RECORD NUMBER 1602

37. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 3, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 1615

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 4846, MF = 4, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 1641

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 4846, MF = 4, MT = 16 (0): Directory (b)

5

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 2054

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 17 SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 2151

41. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 2174

42. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 2197

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 2226

44. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 2409

45. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 53 SECTION 4/53 NOT IN DIRECTORY

RECORD NUMBER 2823

46. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 3244

47. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 3421

48. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 3596

49. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 3769

50. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 4168

51. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 59 SECTION 4/ 59 NOT IN DIRECTORY

RECORD NUMBER 4337

52. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 4723

53. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 61 SECTION 4/ 61 NOT IN DIRECTORY

RECORD NUMBER 5125

54. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=4, MT=62 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 62

SECTION 4/62 NOT IN DIRECTORY

RECORD NUMBER 5286

55. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=4, MT=63 (0): Directory (b)

7

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 63 SECTION 4/ 63 NOT IN DIRECTORY

RECORD NUMBER 5445

56. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 64 SECTION 4/ 64 NOT IN DIRECTORY

RECORD NUMBER 5602

57. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 65 SECTION 4/ 65 NOT IN DIRECTORY

RECORD NUMBER 5757

58. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 66 SECTION 4/ 66 NOT IN DIRECTORY

RECORD NUMBER 6129

59. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=4, MT=67 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 67 SECTION 4/ 67 NOT IN DIRECTORY

RECORD NUMBER 6496

60. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=4, MT=68 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 68 SECTION 4/ 68 NOT IN DIRECTORY

RECORD NUMBER 6645

61. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=4, MT=69 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 69 SECTION 4/ 69 NOT IN DIRECTORY

RECORD NUMBER 7002

62. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=4846, MF= 4, MT= 70 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 70 SECTION 4/ 70 NOT IN DIRECTORY

RECORD NUMBER 7147

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=4, MT=71 (0): Directory (b)

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ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 71
SECTION 4/ 71 NOT IN DIRECTORY
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RECORD NUMBER 7494

64. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 7635

65. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=5, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 7767

66. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=5, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 5, MT= 17 SECTION 5/ 17 NOT IN DIRECTORY

RECORD NUMBER 8227

67. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 4846, MF = 5, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 8317

68. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=4846, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 8400

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT=4846, MF=5, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=4846, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 8513

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 113. L=1 / STRENGTH FUNCTION IS 9.45016E-05 / STRENGTH FUNCTION 9.45016E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 113. L = 1

STRENGTH FUNCTION IS 9.45016E-05

STRENGTH FUNCTION 9.45016E-05

... [1 more lines]

2. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.43791E+01 SHOULD BE 2.89414E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.43791E+01 SHOULD BE 2.89414E+01

3. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.43551E+01 SHOULD BE 2.89212E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.43551E+01 SHOULD BE 2.89212E+01

4. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.43311E+01 SHOULD BE 2.89011E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.43311E+01 SHOULD BE 2.89011E+01

5. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.42832E+01 SHOULD BE 2.88608E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.42832E+01 SHOULD BE 2.88608E+01

6. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.42355E+01 SHOULD BE 2.88206E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.42355E+01 SHOULD BE 2.88206E+01

7. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.41877E+01 SHOULD BE 2.87804E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.41877E+01 SHOULD BE 2.87804E+01 8. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.41401E+01 SHOULD BE 2.87402E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.41401E+01 SHOULD BE 2.87402E+01

9. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.36672E+01 SHOULD BE 2.83421E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.36672E+01 SHOULD BE 2.83421E+01

10. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.32012E+01 SHOULD BE 2.79498E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.32012E+01 SHOULD BE 2.79498E+01

11. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.27419E+01 SHOULD BE 2.75632E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.27419E+01 SHOULD BE 2.75632E+01

12. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.22892E+01 SHOULD BE 2.71821E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.22892E+01 SHOULD BE 2.71821E+01

13. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.18431E+01 SHOULD BE 2.68066E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.18431E+01 SHOULD BE 2.68066E+01 14. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.14034E+01 SHOULD BE 2.64365E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.14034E+01 SHOULD BE 2.64365E+01

15. Level density in URR not in agreement with PSYCHE's expectations $FILE\ 2\ /\ SECTION\ 151\ /\ ENERGY = 8.00000E+04.$ STRENGTH FUNCTION IS $4.70000E-05\ /\ DENSITY\ 3.09701E+01\ SHOULD\ BE\ 2.60717E+01\ (0)$: URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.09701E+01 SHOULD BE 2.60717E+01

16. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.05431E+01 SHOULD BE 2.57122E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.05431E+01 SHOULD BE 2.57122E+01

17. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 4.70000E-05 / DENSITY 3.01222E+01 SHOULD BE 2.53578E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 4.70000E-05 DENSITY 3.01222E+01 SHOULD BE 2.53578E+01

18. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.43791E+01 SHOULD BE 2.89414E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.43791E+01 SHOULD BE 2.89414E+01

19. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.43551E+01 SHOULD BE 2.89212E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-04

DENSITY 3.43551E+01 SHOULD BE 2.89212E+01

20. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.43311E+01 SHOULD BE 2.89011E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.43311E+01 SHOULD BE 2.89011E+01

21. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.42832E+01 SHOULD BE 2.88608E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.42832E+01 SHOULD BE 2.88608E+01

22. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.42355E+01 SHOULD BE 2.88206E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.42355E+01 SHOULD BE 2.88206E+01

23. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.41877E+01 SHOULD BE 2.87804E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.41877E+01 SHOULD BE 2.87804E+01

24. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.41401E+01 SHOULD BE 2.87402E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.41401E+01 SHOULD BE 2.87402E+01

25. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.36672E+01 SHOULD BE 2.83421E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.36672E+01 SHOULD BE 2.83421E+01 26. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.32012E+01 SHOULD BE 2.79498E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.32012E+01 SHOULD BE 2.79498E+01

27. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.27419E+01 SHOULD BE 2.75632E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.27419E+01 SHOULD BE 2.75632E+01

28. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.22892E+01 SHOULD BE 2.71821E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.22892E+01 SHOULD BE 2.71821E+01

29. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.18431E+01 SHOULD BE 2.68066E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.18431E+01 SHOULD BE 2.68066E+01

30. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.14034E+01 SHOULD BE 2.64365E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.14034E+01 SHOULD BE 2.64365E+01

31. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.09701E+01 SHOULD BE 2.60717E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.09701E+01 SHOULD BE 2.60717E+01 32. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.05431E+01 SHOULD BE 2.57122E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.05431E+01 SHOULD BE 2.57122E+01

33. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 3.01222E+01 SHOULD BE 2.53578E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 3.01222E+01 SHOULD BE 2.53578E+01

34. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.91067E+01 SHOULD BE 1.73649E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.91067E+01 SHOULD BE 1.73649E+01

35. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.90864E+01 SHOULD BE 1.73527E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.90864E+01 SHOULD BE 1.73527E+01

36. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.90661E+01 SHOULD BE 1.73406E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.90661E+01 SHOULD BE 1.73406E+01

37. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.90256E+01 SHOULD BE 1.73165E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.90256E+01 SHOULD BE 1.73165E+01 38. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.89851E+01 SHOULD BE 1.72923E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.89851E+01 SHOULD BE 1.72923E+01

39. Level density in URR not in agreement with PSYCHE's expectations $FILE\ 2\ /\ SECTION\ 151\ /\ ENERGY = 9.00000E+03.$ $STRENGTH\ FUNCTION\ IS\ 5.00000E-04\ /\ DENSITY\ 2.89447E+01\ SHOULD\ BE\ 1.72682E+01\ (0):\ URR\ dens.\ (a)$

FILE 2

SECTION 151

ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.89447E+01 SHOULD BE 1.72682E+01

40. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.89044E+01 SHOULD BE 1.72441E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.89044E+01 SHOULD BE 1.72441E+01

41. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.85040E+01 SHOULD BE 1.70053E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.85040E+01 SHOULD BE 1.70053E+01

42. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.81094E+01 SHOULD BE 1.67699E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.81094E+01 SHOULD BE 1.67699E+01

43. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.77206E+01 SHOULD BE 1.65379E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.77206E+01 SHOULD BE 1.65379E+01 44. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.73374E+01 SHOULD BE 1.63093E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.73374E+01 SHOULD BE 1.63093E+01

45. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.69597E+01 SHOULD BE 1.60840E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.69597E+01 SHOULD BE 1.60840E+01

46. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.65874E+01 SHOULD BE 1.58619E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.65874E+01 SHOULD BE 1.58619E+01

47. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.62206E+01 SHOULD BE 1.56430E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.62206E+01 SHOULD BE 1.56430E+01

48. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.58590E+01 SHOULD BE 1.54273E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.58590E+01 SHOULD BE 1.54273E+01

49. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-04 / DENSITY 2.55026E+01 SHOULD BE 1.52147E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-04 DENSITY 2.55026E+01 SHOULD BE 1.52147E+01 50. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.91067E+01 SHOULD BE 2.06274E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.91067E+01 SHOULD BE 2.06274E+01

51. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.90864E+01 SHOULD BE 2.06130E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.90864E+01 SHOULD BE 2.06130E+01

52. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.90661E+01 SHOULD BE 2.05987E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.90661E+01 SHOULD BE 2.05987E+01

53. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.90256E+01 SHOULD BE 2.05699E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.90256E+01 SHOULD BE 2.05699E+01

54. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.89851E+01 SHOULD BE 2.05413E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.89851E+01 SHOULD BE 2.05413E+01

55. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.89447E+01 SHOULD BE 2.05126E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.89447E+01 SHOULD BE 2.05126E+01 56. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.89044E+01 SHOULD BE 2.04840E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.89044E+01 SHOULD BE 2.04840E+01

57. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.85040E+01 SHOULD BE 2.02003E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.85040E+01 SHOULD BE 2.02003E+01

58. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.81094E+01 SHOULD BE 1.99207E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.81094E+01 SHOULD BE 1.99207E+01

59. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.77206E+01 SHOULD BE 1.96451E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.77206E+01 SHOULD BE 1.96451E+01

60. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.73374E+01 SHOULD BE 1.93735E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.73374E+01 SHOULD BE 1.93735E+01

61. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.69597E+01 SHOULD BE 1.91059E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.69597E+01 SHOULD BE 1.91059E+01 62. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.65874E+01 SHOULD BE 1.88421E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.65874E+01 SHOULD BE 1.88421E+01

63. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.62206E+01 SHOULD BE 1.85821E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.62206E+01 SHOULD BE 1.85821E+01

64. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.58590E+01 SHOULD BE 1.83258E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.58590E+01 SHOULD BE 1.83258E+01

65. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 2.55026E+01 SHOULD BE 1.80733E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 2.55026E+01 SHOULD BE 1.80733E+01

66. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.48487E+01 SHOULD BE 1.47339E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.48487E+01 SHOULD BE 1.47339E+01

67. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.48244E+01 SHOULD BE 1.47236E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.50000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.48244E+01 SHOULD BE 1.47236E+01 68. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.48001E+01 SHOULD BE 1.47133E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.48001E+01 SHOULD BE 1.47133E+01

69. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.47516E+01 SHOULD BE 1.46928E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.47516E+01 SHOULD BE 1.46928E+01

70. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.47032E+01 SHOULD BE 1.46724E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.47032E+01 SHOULD BE 1.46724E+01

71. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.46548E+01 SHOULD BE 1.46519E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.46548E+01 SHOULD BE 1.46519E+01

72. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.46065E+01 SHOULD BE 1.46315E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.46065E+01 SHOULD BE 1.46315E+01

73. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.41271E+01 SHOULD BE 1.44288E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.41271E+01 SHOULD BE 1.44288E+01 74. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.36547E+01 SHOULD BE 1.42291E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.36547E+01 SHOULD BE 1.42291E+01

75. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.31892E+01 SHOULD BE 1.40322E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.31892E+01 SHOULD BE 1.40322E+01

76. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.27303E+01 SHOULD BE 1.38382E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.27303E+01 SHOULD BE 1.38382E+01

77. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.22781E+01 SHOULD BE 1.36471E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.22781E+01 SHOULD BE 1.36471E+01

78. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.18324E+01 SHOULD BE 1.34586E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.18324E+01 SHOULD BE 1.34586E+01

79. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.13932E+01 SHOULD BE 1.32729E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.13932E+01 SHOULD BE 1.32729E+01 80. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.09603E+01 SHOULD BE 1.30899E+01 (0): URR dens. (a)

FILE 2 SECTION 151

> ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.09603E+01 SHOULD BE 1.30899E+01

81. Level density in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-05 / DENSITY 3.05337E+01 SHOULD BE 1.29095E+01 (0): URR dens. (a)

FILE 2 SECTION 151

ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 5.00000E-05 DENSITY 3.05337E+01 SHOULD BE 1.29095E+01

- recent Warnings:
 - 1. Statistical weight of certain L values were incorrect 0: RRR goof (a)

- fudge-4.0 Errors:
 - 1. The spin statistical weights are off, indicating missing channels resonances / resolved / MultiLevel_BreitWigner (Error # 0): badSpinStatisticalWeights

WARNING: The spin statical weights for L=1 sums to 2.25, but should sum to 3.0. You have too few channels for r

2. Calculated and tabulated Q values disagree. reaction label 23: n[multiplicity:'2'] + Cd112 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10766865.79428101 eV vs -6539801. eV!

3. Calculated and tabulated Q values disagree. reaction label 24: n[multiplicity:'3'] + Cd111 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -20161182.35569763 eV vs -1.5938e7 eV!

4. Calculated and tabulated Q values disagree. reaction label 25: n + H1 + Ag112 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13940579.0305481 eV vs -9714401. eV!

5. Calculated and tabulated Q values disagree. reaction label 26: Cd114 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4816191.714309692 eV vs 9042701. eV!

6. Calculated and tabulated Q values disagree. reaction label 27: n + He4 + Pd109 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8094391.12550354 eV vs -3.8696e6 eV!

7. Calculated and tabulated Q values disagree. reaction label 28: H1 + Ag113_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5461048.307403564 eV vs -1.2269e6 eV!

8. Calculated and tabulated Q values disagree. reaction label 29: $H2 + Ag112_{-}s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11716012.92961121 eV vs -7489901. eV!

9. Calculated and tabulated Q values disagree. reaction label 30: $H3 + Ag111_{-s}$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11933836.12435913 eV vs -7711101. eV!

10. Calculated and tabulated Q values disagree. reaction label 31: He4 + Pd110_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 719510.5637359619 eV vs 4942101. eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided